



iterate and ship

Armin Ronacher

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@mitsuhiko

Flask / Sentry / Lektor

「SENTRY」



TypeError react/lib/ReactCompositeComponent in updateComponent

● JAVASCRIPT-R3 | Cannot read property 'componentWillReceiveProps' of null | javascript

ASSIGNED



EVENTS

8

USERS

6

✓ Resolve Snooze ★ trash Create GitHub IssueDetails Comments 0 User Feedback 0 Tags Related EventsShare this event**Event 97e62eee2b2d4506b4e7ea955054042b**May 9 2016 21:39:57 CEST | JSON (60.5 KB)K Older Newer ›

Last 24 Hours

Last 30 Days

First seen

When: a month ago

Date: April 1 2016 14:51:54 CEST

Release: 6590d03f1e38

Last seen

When: 2 hours ago

Date: May 9 2016 21:39:57 CEST

Release: a89626174115214fcf1e8d29bfc7018a287bfc64

Message

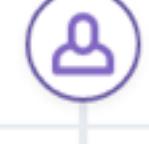
TypeError: Cannot read property 'componentWillReceiveProps' of null

Tags

browser = Chrome 50.0 device = Other environment = prod level = error logger = javascript
os = Mac OS X 10.11.4 release = a89626174115214fcf1e8d29bfc7018a287bfc64
sentry_version = 1c5ae57c8a9c1dec5ebc83331d8e6572879ea2ad
url = https://app.getsentry.com/make-me-up-co/ user = id:43428

User

Breadcrumbs

	Show 11 collapsed crumbs	
	xhr	GET <code>/api/0/subscriptions/make-me-up-co/</code> [200] 21:39:46
	sentry	TypeError: Cannot read property '_currentElement' of null 21:39:46
	xhr	GET <code>https://t687h3m0nh65.statuspage.io/api/v2/incidents/unresolved.json?_=1462822786179</code> [200] 21:39:46
	ui.click	<code>div.col-md-2.org-sidebar > div > ul.nav.nav-stacked > li > a</code> 21:39:51
	navigation	
	to	<code>/organizations/make-me-up-co/teams/</code>
	from	<code>/make-me-up-co/</code>
	sentry	TypeError: Cannot read property '_currentElement' of null 21:39:51
	ui.click	<code>span.pull-right.org-selector.dropdown > a.dropdown-toggle > span</code> 21:39:54
	ui.click	<code>ul.dropdown-menu-right.dropdown-menu > li.active > a</code> 21:39:56
	navigation	
	to	<code>/make-me-up-co/</code>
	from	<code>/organizations/make-me-up-co/teams/</code>
	error	TypeError: Cannot read property 'componentWillReceiveProps' of null 21:39:57

BadRequest

```
{u'status': u'invalid event', u'message': u'Event object is invalid', u'errors': [u'Service key is the wrong length (should be 32 characters)']} (99999): □
```

```
sentry/utils/safe.py in safe_execute at line 26 | application
```

```
    result = func(*args, **kwargs)
```

```
sentry/plugins/bases/notify.py in rule_notify at line 89 | application
```

```
    self.notify(notification)
```

```
sentry/plugins/bases/notify.py in notify at line 61 | application
```

```
56.
```

```
57.     def notify(self, notification):
```

```
58.         self.logger.info('Notification dispatched [event=%s] [plugin=%s]',  
59.                           notification.event.id, self.slug)
```

```
60.         event = notification.event
```

```
61.         return self.notify_users(event.group, event)
```

```
62.
```

```
63.     def rule_notify(self, event, futures):
```

```
64.         rules = []
```

```
65.         for future in futures:
```

```
66.             rules.append(future.rule)
```

```
event <Event at 0x7f68a2996cd0: id=4158489117L, project_id=66490L, group_id=127894815L>
```

```
notification <sentry.plugins.base.structs.Notification object at 0x7f68a24cd488>
```

```
self <sentry_pagerduty.plugin.PagerDutyPlugin object at 0x7f68a4990188>
```

```
sentry_pagerduty/plugin.py in notify_users at line 54 | application
```

```
    client.trigger_incident(service_key, description, details=details)
```

「 THE TWO PRODUCTS 」



sentry vs 'getsentry'

sentry

open source repo
on-premise
monthly releases

'getsentry'

billing & quotas
depends on sentry
hourly deploys

「 THE GOALS 」



deploy in seconds
be unable to screw up
and if you do: instant rollbacks

tag a release once a month

「WORKFLOW」



commit



review



integration



deploy

requires good test coverage
requires good local setup
makes it easier for newcomers

「 COMMITTING 」



lint on commit!

```
mitsuhiko at herzog in ~/Development/sentry on git:master+? workon sentry
$ git ci -am 'Performance improvements to the data scrubber.'
src/sentry/utils/data_scrubber.py:147:1: F401 'unused' imported but unused
```

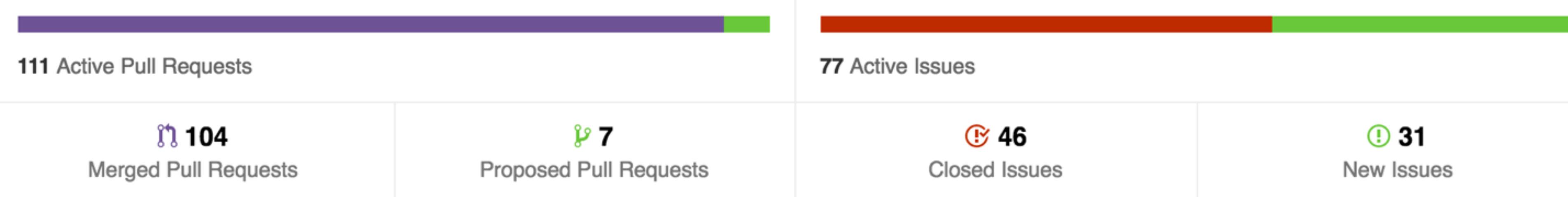
On Prem: 1 Release / Month

Hosted: 5 Deployments / Day

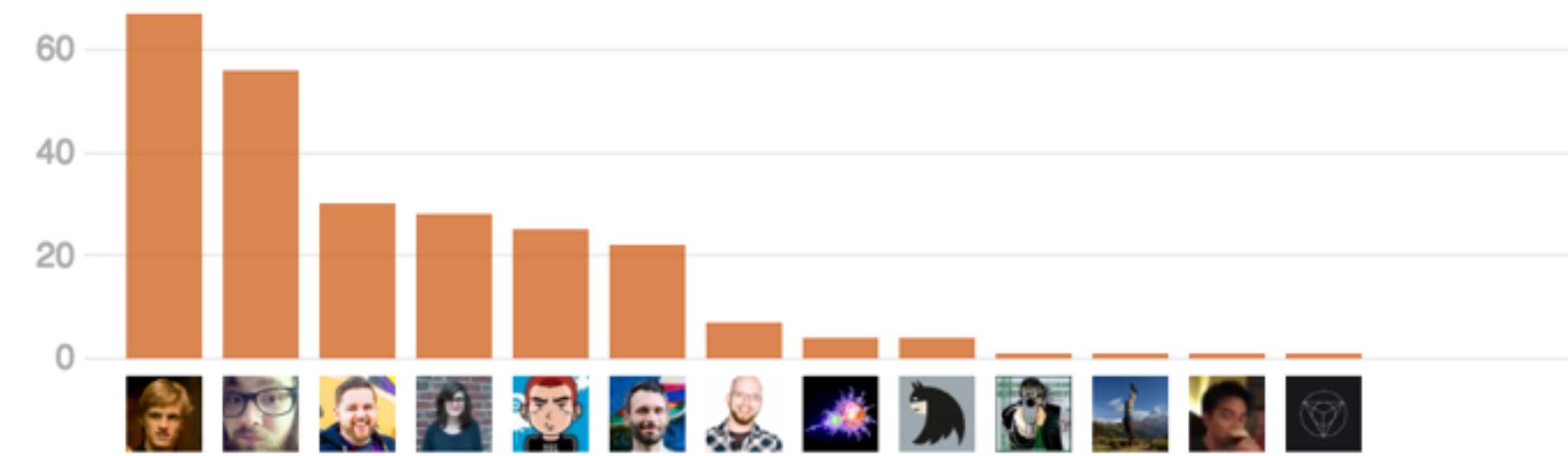
April 9, 2016 – May 9, 2016

Period: 1 month ▾

Overview



Excluding merges, **13 authors** have pushed **213 commits** to master and **247 commits** to all branches. On master, **251 files** have changed and there have been **8,385 additions** and **1,681 deletions**.



↳ 4 Releases published by 1 person

Published 8.3.2 28 days ago

Published 8.2.5 12 days ago

Published 8.3.3 12 days ago

Published 8.4.0 7 days ago

_PULL REQUESTS_MERGED

master is stable



1. branch off master
2. pull request
3. merge

all the pull requests

fix letter avatars in email #3059

Merged macqueen merged 2 commits into `master` from `fix-email-avatars` 22 days ago

Conversation 2 Commits 2 Files changed 7

macqueen commented 22 days ago

`@getsentry/ui`

fix letter avatars in email X `dfde8bc`

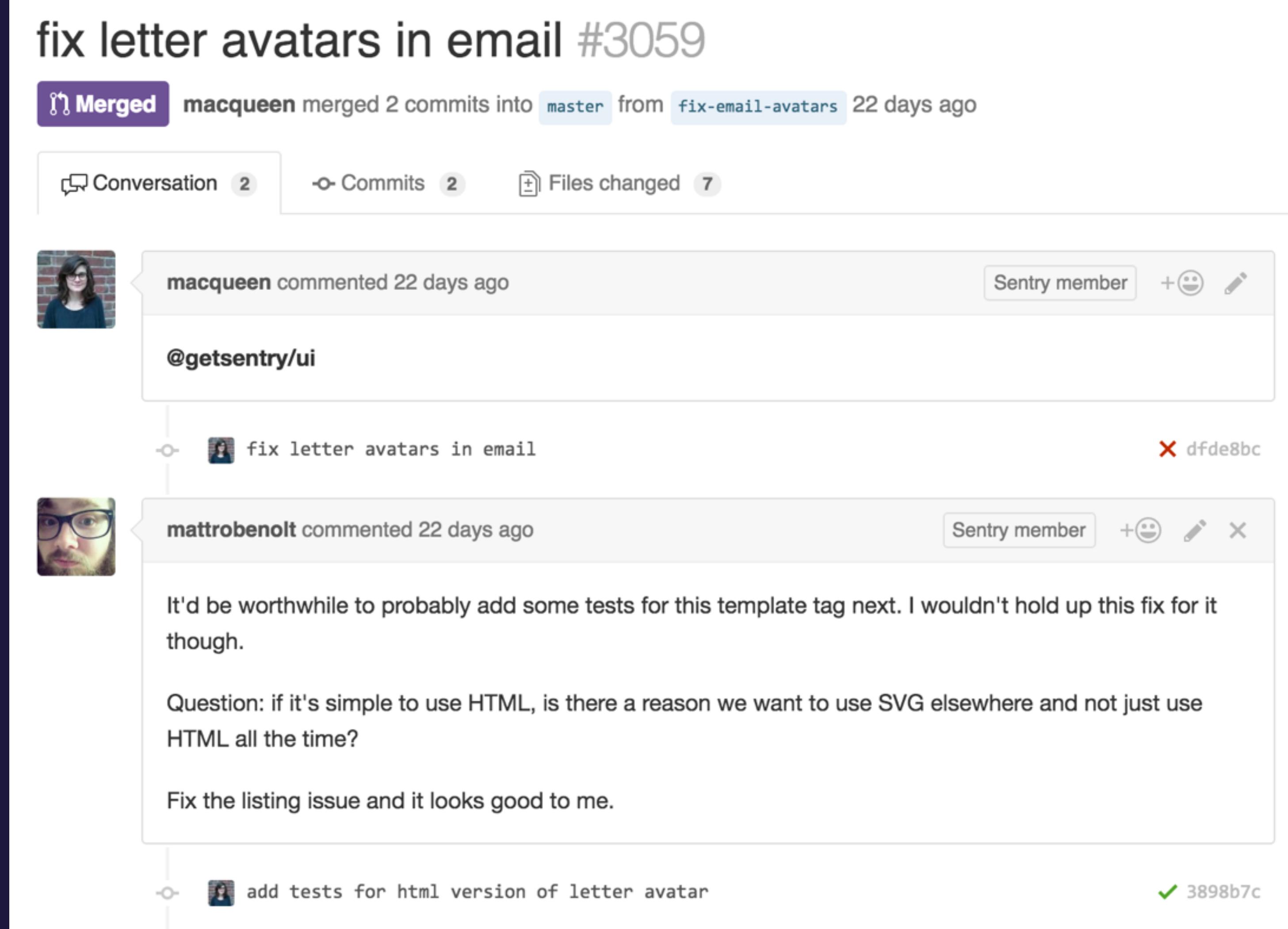
mattrobenolt commented 22 days ago

It'd be worthwhile to probably add some tests for this template tag next. I wouldn't hold up this fix for it though.

Question: if it's simple to use HTML, is there a reason we want to use SVG elsewhere and not just use HTML all the time?

Fix the listing issue and it looks good to me.

add tests for html version of letter avatar ✓ `3898b7c`



!! AVOID DOWNTIME !!

postgres <3

transactional ddl, concurrent
indexes, cheap alter table add
nullable columns

bidirectional compatibility

separation of state and connections

「CONTINUOUS TESTING」



sentry

travis-ci.org

test all the code

'getsentry'

travis-ci.com

test code relevant for us

「CONTINUOUS DELIVERY」



FREIGHT

wait for travis > build > ship

freight

Deploy

ACTIVE DEPLOYS

docs/production#440 5c0c97a master
Started a few seconds ago – by armin

DEPLOY HISTORY



docs/production#439	5c0c97a	master
Finished 2 hours ago – 6 min – by matt		
getsentry/production#2061	d3379cc	master
Finished 3 hours ago – 18 min – by matt		
getsentry/production#2060	e9e7e4c	master
Finished 3 hours ago – 18 min – by matt		
getsentry/production#2059	a896261	
Finished 5 hours ago – 3 min – by david@getsentry.com	a89626174115214fcf1e8d29bfc7018a287bfc64	
getsentry/production#2058	a896261	master
Failed 6 hours ago – 17 min – by dcramer		

bidirectional
communication with
the main slack channel

00:48 **armin** hubot deploy docs
00:48 **Freight BOT** [docs/production] Starting deploy #440 (5c0c97a)
[docs/production] Deploy #440 (5c0c97a) was cancelled after 26.41s

dev never matches prod :(

thus: **fast rollbacks!**
(backwards + forwards compatibility)

「CODE STRUCTURE」



large systems are organisms

not all things will run the
same code at the same time

data schema ~ code behavior

break up larger features

feature flag it!

(we shipped some code to on-prem we backed out)

「 MOVING PARTS 」



keep **dev** basic: fewer parts

do not diverge **dev** from **prod**
too much

virtual machines and docker
are not an acceptable dev
environment

「REPRODUCIBLE BUILDS」



pip freeze / npm shrinkwrap

nothing is more frustrating than a failed deploy
because a dependency of a dependency of a
dependency of a dependency pushed out a
broken release

build once > ship to many

「 MONITOR FAILURES 」



associate failures to users

map support requests to failures

use sentry :-)

「 FRIENDLY ROBOTS 」



replace yourself!

bots and webhooks

Commits on May 10, 2016

-  **Use more efficient sentry.utils.json instead of json**
mattrobenolt committed 8 minutes ago
-  **Handle non-string platform value**
dcramer committed 10 minutes ago
-  **getsentry/sentry@94475ea**
getsentry-bot committed 13 minutes ago
-  **getsentry/sentry@1f19a52**
getsentry-bot committed 18 minutes ago

github hooks

Add more commits by pushing to the `move-south-migrations` branch on [getsentry/sentry](#).

 **All checks have failed** 2 failing checks [Hide all checks](#)

 **continuous-integration/travis-ci/pr** — The Travis CI build failed Required [Details](#)

 **continuous-integration/travis-ci/push** — The Travis CI build failed Required [Details](#)

 **Required statuses must pass before merging**
All required [status checks](#) on this pull request must run successfully to enable automatic merging.
As an administrator, you may still merge this pull request.

 **Merge pull request** You can also [open this in GitHub Desktop](#) or view [command line instructions](#).

notify to communication hub

21:44 **jt cunning** and seeing as how we have 500k+ pulls, we're probably part of that list

21:44 **Freight** BOT [getsentry/production] Successfully deployed [#2060](#) (e9e7e4c) after 1082.96s

21:44 **matt** Yeah, I have no way to gauge that scale.

21:45 ☆ Like, that seems like a super crazy amount, haha

「 BETTER CLIMATE 」



the more robots,
the better the integration,
the smaller the fear of doing damage

If you can launch a feature on your first
day of work that's motivating

also: happy customers



Philipp Krenn (@xeraa) posted a tweet on November 13, 2015, at 8:51 PM. The tweet reads: "@getsentry is a great tool to keep your sanity and is very responsive bug report to fix within 3h on friday night: [github.com/getsentry/sentry...](https://github.com/getsentry/sentry)". The tweet has 4 likes. A reply from Philipp Krenn is visible at the bottom.

Philipp Krenn
@xeraa

@getsentry is a great tool to keep your sanity and is very responsive bug report to fix within 3h on friday night: [github.com/getsentry/sentry...](https://github.com/getsentry/sentry)

LIKES 4

8:51 PM - 13 Nov 2015

Reply to @xeraa @getsentry



Alex MacCaw (@maccaw) posted a tweet on February 3, 2016, at 2:12 AM. The tweet reads: "@getsentry just implemented a feature request in under an hour. That's got to be a record!". The tweet has 4 retweets and 14 likes. A reply from David Cramer (@zeeg) is visible at the bottom.

Alex MacCaw
@maccaw

@getsentry just implemented a feature request in under an hour. That's got to be a record!

RETWEETS 4 LIKES 14

2:12 AM - 3 Feb 2016

Reply to @maccaw @getsentry

David Cramer @zeeg · Feb 3
@maccaw dat continuous deployment

@ProductHunt producthunt.com/tech/sentry h/t @ckj

